



CITEL

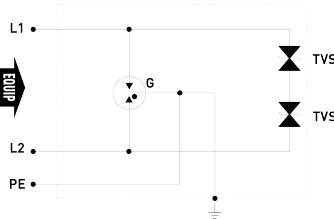
Intrinsically safe dataline Surge Protector for hazardous area mounting.

TSP-P2-48-M-EX/C



• Intrinsically safe and flameproof follow GB standards • Max discharge current I_{max}: 20kA • EX certification (CCC) approved • Complies with IEC 61643-21, GB/T 18802.21, GB/T 3836.1, GB/T 3836.4



	Electrical Characteristics		
	SPD type	IEC	2+3
 P: 3-electrode GDT R: Resistor D: Clamping diode	Network		RS232, RS485, 4-20mA
	Nominal line voltage	U _n	24 Vdc
	Max. DC operating voltage	U _c	48 Vdc
	Max. frequency	f max.	2 MHz
	Insertion loss		≤ 0.5 dB
	Nominal discharge current 15 x 8/20 μs impulses	I _n	10 kAL-PE
	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	20 kA
	Impulse current by pole max. withstand 10/350μs by pole	I _{imp}	5 kAL-PE
	Line inductance (± 10 %)		non
	Protection mode(s)		Common/Differential mode
	Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)	U _p	600 V
	Line/Line Nominal discharge current C2 Category	I _n L/L	10 kA
	Mechanical Characteristics		
	Technology		GDT+TVS diode
	SPD configuration		2 wires
	Connection to Network		Built-in AWG 16# wires L is 22mm, PE is 19.5mm
	Format		Mounting with threaded interface
	Mounting		M20 thread connection
	Housing material		316 stainless steel
	Operating temperature	T _u	-40/+85°C
	Protection rating		IP67
	Dimensions		See diagram
	Standards		
	Standards compliance		IEC 61643-21, GB/T 18802.21, GB/T 3836.1, GB/T 3836.4
	Certification		CCC
	Part number		
	86210612119		

